Control cable adjuster device

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Cited documents:

US4598809
US4378713
GB2176861
EP0234864
EP0213857

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Abstract of **EP0267685**

A control cable adjuster device (Figure 1) for connection into and tensioning of a control cable run includes a termination member rod (13) extending into a tubular housing (10) through a locating means or insert (11). Collet members (14) biassed by a circumferential spring (17) are positioned on the insert (11) and are formed with 90 DEG triangular profile serrations (31) co-acting with serrations (32) on the rod (13). A helical spring (19) acting between the insert (11) and a collar (21) on the rod (13) acts to induce tension in the cable run. On applying actuating tension to the device, the frusto-conical face (16) on the insert (11) acts on first part frusto-conical faces (15) having a slightly greater cone angle on the collet members to urge same into locking engagement with the rod (13). An axially movable release tube (27) with a frusto-conical head (33) co-acts with second part frusto-conical faces (30) on the collet members and is actuable to pivot the collet means radially outwardly about lips (23) seated in a wider groove (24) in the insert to permit compression of the spring (19) by tensioning the rod (13). If the cable run tends to become slack, the force in the helical spring (19) overcomes the radial components of the forces across the serrations (31, 32) to permit the serrations (31) to ratchet relative to the serrations (32) by the collet members (14) pivoting about the lips (23) and thereby cause the slack to be removed.

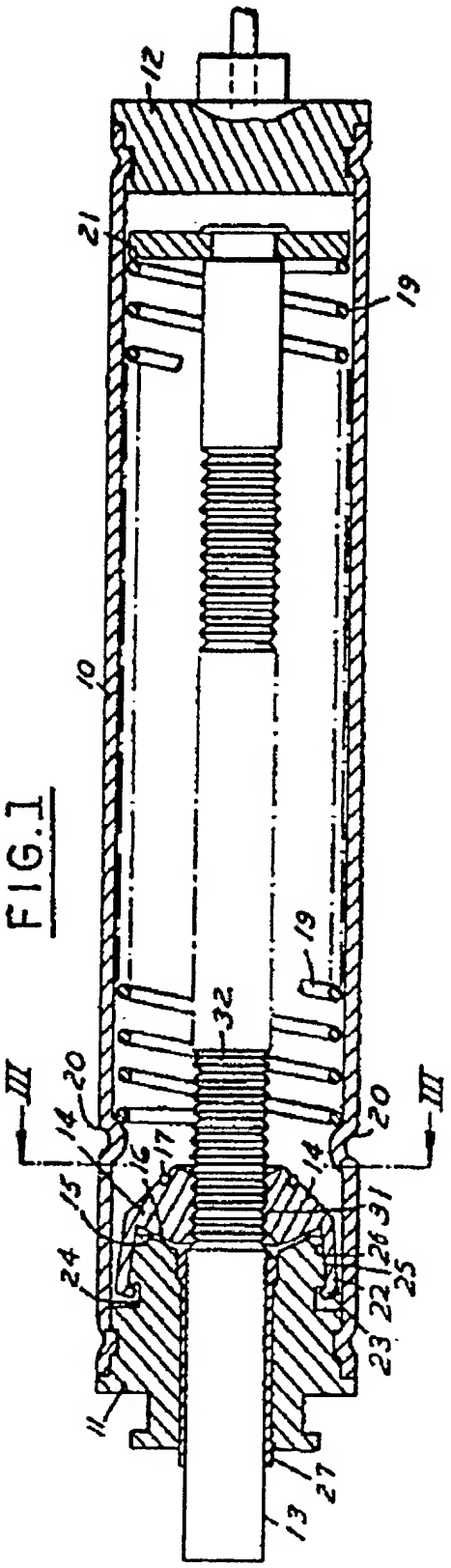
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FIG.1

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